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AMENDMENTS TO THE CLAIMS

1. (Currently Amended)   ~~In a block diagram environment, a~~A computer-readable medium holding ~~electronic device~~ computer-executable ~~steps for a method, said method comprising the steps of~~instructions, the medium comprising:

~~designating at least one source block;~~instructions for determining an intersection of characteristics common to a plurality of source blocks in a block diagram;

instructions for selecting at least one characteristic ~~in~~of said ~~source block~~intersection of characteristics;

instructions for receiving a designation of ~~designating~~at least one destination block in ~~a~~said block diagram; and

instructions for propagating said selected at least one characteristic to said destination block.

2. (Canceled)

3. (Currently Amended)   ⁻ The medium of claim 1, ~~the method~~further comprising:~~; after said step of selecting at least one characteristic, the step of~~

instructions for creating a data structure for the selected at least one characteristic~~in said step of selecting~~, said data structure having a plurality of substructures.

4. (Currently Amended)   The medium of claim 1, wherein said ~~step of~~selecting at least one characteristic involves the use of a category list, said at least one characteristic~~of said~~

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~~source block comprising a plurality of characteristics, each of said characteristics~~ associated

with at least one category of said category list.

5. (Canceled)

6. (Original)   The medium of claim 1, wherein said destination block is a subsystem

representing a plurality of blocks and said at least one characteristic is propagated to each of

said plurality of blocks.

7. (Currently Amended)   The medium of claim 1, wherein said destination block is a

subsystem_block representing a plurality of lower-level blocks and said ~~step of~~propagating is

restricted to propagating to said ~~destination block that is a~~ subsystem block ~~and~~ without

propagating ~~does not occur~~ to said plurality of lower-level blocks.

8. (Currently Amended)   The medium of claim 1, ~~the method~~ further comprising:

~~the step of~~instructions for undoing said propagating ~~step~~ by returning the

characteristics of said destination block to a condition existing prior to said propagating ~~step~~.

9. (Currently Amended)   The medium of claim 1, wherein said ~~step of~~propagating said

at least one characteristic ~~of said source block~~ involves propagating less than all

characteristics in said intersection of characteristics~~of said source block~~.

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10. (Currently Amended)   The medium of claim 9~~1~~, wherein said ~~step of~~ propagating involves propagating less than all characteristics in said intersection of characteristics~~of said source block~~, as specified by a user.

11. (Currently Amended)   The medium of claim 1, wherein said ~~step of~~ selecting involves selecting said characteristics to be propagated from a Graphical User Interface (GUI).

12. (Currently Amended)   The medium of claim 1, wherein said ~~step of~~ selecting involves selecting said at least one characteristic[[s]] to be propagated by the use of a shortkey.

13. (Currently Amended)   The medium of claim 1, wherein said ~~step of~~ propagating involves propagating less than all characteristics in said intersection of characteristics ~~of said source block~~, as automatically determined based on characteristics of said plurality of source blocks and characteristics of said destination block.

14. (Currently Amended)   The medium of claim 1, ~~the method~~ further comprising: ~~the step of~~

    instructions for storing information relating to propagating ~~step~~ to enable repeating ~~said selecting step and~~ said propagating ~~step~~.

15. (Currently Amended)   The medium of claim 14, wherein said storing ~~step~~ comprises storing information relating to multiple iterations of said propagating ~~step~~.

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16. (Currently Amended) The medium of claim 1, ~~the method further~~ further comprising~~,~~: ~~after said selecting step and before said designating at least one destination block step, the step of~~ instructions for determining which blocks of said block diagram ~~environment~~ have characteristics corresponding to the selected at least one characteristic in said ~~step of~~ selecting.

17. (Currently Amended) The medium of claim 1, ~~the method~~ further comprising~~:~~ ~~after said step of designating at least one destination block and before said step of designating at least one source block, the step of~~

    instructions for determining which blocks of said block diagram ~~environment~~ have characteristics that could be propagated to said destination block.

18. (Original) The medium of claim 1, wherein said at least one characteristic is a parameter.

19. (Currently Amended) The medium of claim 1, wherein said at least one characteristic is ~~a method~~ one of a component, block diagram attribute or property of a source block.

20. (Currently Amended) The medium of claim 1, wherein ~~said~~ selecting at least one characteristic ~~step~~ is performed before ~~said designating at least one source block step and~~ said designating at least one destination block ~~step~~.

21. (Currently Amended) The medium of claim 1, wherein said ~~at least one~~ plurality of source blocks ~~are is a~~ predetermined members of a plurality of said destination blocks.

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22. (Currently Amended)   The medium of claim 1, wherein said ~~steps of designating at least one source block and designating~~ designation of at least one destination block ~~are~~ is performed from a text-based list.

23. (Currently Amended)   The medium of claim 1, wherein said destination block does not have said characteristic prior to said propagating ~~step~~.

24. (Currently Amended)   ~~In a block diagram environment, a~~ A system ~~medium holding electronic device executable~~ comprising: ~~steps for a method, said method comprising the steps of:~~

_____ a memory configured to hold a block diagram having a plurality of blocks; and

_____ a processor configured to:

_____ ~~designating a plurality of source blocks;~~

        ~~determining~~ determine an intersection of characteristics common to ~~said~~ a plurality of source blocks, ~~and wherein said step of selecting at least one characteristic involves a selection from said intersection~~

        ~~selecting~~ select at least one characteristic from said intersection;

        receive a designation ~~designating~~ of a destination block in said plurality of blocks,~~;~~ and

        ~~propagating~~ propagate said selected at least one characteristic to said destination block.

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25. (Currently Amended)   ~~In a block diagram environment, a~~A computer-readable medium holding ~~electronic device~~ computer-executable ~~steps for a method, said method comprising the steps of~~instructions, the medium comprising:

 instructions for receiving a designation of ~~designating~~ a source block in a block diagram;

 instructions for receiving a designation of ~~designating~~ a plurality of destination blocks in a block diagram;

 instructions for determining an intersection of characteristics common to said source block and said plurality of destination blocks ~~wherein said step of selecting at least one characteristic involves a selection from said intersection~~;

 instructions for selecting at least one characteristic from said intersection of characteristics;

 instructions for propagating said selected at least one characteristic to each of said plurality of destination blocks.

26. (Currently Amended)   ~~In an electronic device having a block diagram environment, a~~ An apparatus ~~method~~ comprising ~~the steps of~~:

 means for determining an intersection of characteristics common to a plurality of source blocks in a block diagram;

 ~~designating at least one source block;~~

 means for selecting at least one characteristic ~~of~~in said ~~source block~~intersection of characteristics;

 means for receiving a designation ~~designating~~ of at least one destination block in said block diagram; and

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means for propagating said selected at least one characteristic to said destination

block.

27. (Currently Amended)   The ~~device~~ apparatus of claim 26, wherein said at least one

characteristic is a parameter.

28. (Currently Amended)   The ~~device~~ apparatus of claim 26, wherein said at least one

characteristic is one of a component, block diagram attribute or property of a source block~~a~~

~~method~~.

29. (Currently Amended)   The ~~device~~ apparatus of claim 26, wherein said ~~step of~~

selecting involves selecting said characteristics to be propagated from a Graphical User

Interface (GUI).

30. – 33. (Canceled)

34. (Currently Amended)   ~~In a software diagram environment, a~~A computer-readable

medium holding ~~electronic device~~ computer-executable ~~steps for a method, said method~~

~~comprising the steps of~~instructions, the medium comprising:

        instructions for determining an intersection of characteristics common to a plurality

of source graphical objects in a Unified Modeling Language (UML) diagram;

        ~~designating at least one source graphical object;~~

        instructions for selecting at least one characteristic of in said intersection of

characteristics~~said source graphical object~~;

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instructions for receiving a designation of designating at least one destination

graphical object in said UML diagram; and

instructions for propagating said selected at least one characteristic to said destination

graphical object.

35. (Canceled)

36. (Currently Amended)   In a circuit diagram environment, a A computer-readable

medium holding electronic device computer-executable instructions, the medium

comprising:steps for a method, said method comprising the steps of:

instructions for determining an intersection of characteristics common to a plurality

of source components in a circuit diagram:

designating at least one source component;

instructions for selecting at least one characteristic of in said source

componentintersection of characteristics;

instructions for receiving a designation of designating at least one destination

component in said circuit diagram; and

instructions for propagating said selected at least one characteristic to said destination

component.

37. (Currently Amended)   In a mechanical diagram environment, aA computer-readable

medium holding electronic device computer-executable steps for a methodinstructions, said

method medium comprising the steps of:

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instructions for determining an intersection of characteristics common to a plurality

of source components in a mechanical diagram;

designating at least one source component;

    instructions for selecting at least one characteristic in said intersection of

characteristics of said source component;

    instructions for receiving a designation of designating at least one destination

component in said mechanical diagram; and

    instructions for propagating said selected at least one characteristic to said destination

component.

38. (Currently Amended)   In a biological diagram environment, aA computer-readable

medium holding electronic device computer-executable instructions, the medium

comprising:steps for a method, said method comprising the steps of:

    instructions for determining an intersection of characteristics common to a plurality

of source designating at least one source graphical elements in a biological diagram;

    instructions for selecting at least one characteristic of said source graphical

elementsin said intersection of characteristics;

    instructions for receiving a designation of designating at least one destination

graphical element[[s]] in said biological diagram; and

    instructions for propagating said characteristic to said selected at least one destination

graphical element[[s]].

39. (Currently Amended)   ~~In a network diagram environment, a~~A computer-readable medium holding ~~electronic device~~ computer-executable instructions, the medium comprising: ~~steps for a method, said method comprising the steps of:~~

instructions for determining an intersection of characteristics common to a plurality of ~~designating at least one~~ source graphical elements in a network diagram;

instructions for selecting at least one characteristic ~~of said source graphical elements~~ in said intersection of characteristics;

instructions for receiving a designation of ~~designating~~ at least one destination graphical element[[s]] in said network diagram; and

instructions for propagating said selected at least one characteristic to said at least one destination graphical element[[s]].

40. (Currently Amended)   ~~In a block diagram environment, a~~A computer-readable medium holding ~~electronic device~~ computer-executable ~~steps for a method, said method comprising the steps of~~ instructions, the medium comprising:

instructions for determining an intersection of characteristics common to a plurality of ~~designating at least one~~ source lines associated with a first block and a second block of a block diagram ~~said block diagram environment~~;

instructions for selecting at least one characteristic of said ~~source line~~ intersection of characteristics;

instructions for receiving a designation of ~~designating~~ at least one destination line associated with a third block and a fourth block of said block diagram ~~said block diagram environment~~; and

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instructions for propagating said <u>selected at least one</u> characteristic to said destination line.

41. (Original) The medium of claim 40, wherein said second block and said third block are the same block.

42. (Currently Amended)   ~~In a block diagram environment, a~~<u>A computer-implemented</u> ~~medium~~<u>method</u> ~~holding electronic device~~ <u>computer-executable steps for a method, said</u> ~~method comprising the steps of~~<u>instructions, the medium</u> ~~instructions, the medium~~<u>comprising</u>:

~~instructions for~~<u>determining an intersection of characteristics common to a plurality</u> <u>of</u> ~~designating at least one~~ source block<u>s in a block diagram</u>;

~~instructions for~~<u>selecting</u> at least one ~~first~~characteristic ~~of said source block~~<u>in said</u> <u>intersection of characteristics</u>;

~~instructions for~~<u>receiving a designation of</u> ~~designating~~at least one destination block ~~a~~ ~~plurality of destination blocks~~<u>in said block diagram</u>; and

~~instructions for~~<u>propagating</u> said <u>selected at least one</u> ~~first~~characteristic to ~~at~~<u>the</u> least one destination block~~of said plurality of destination blocks~~.

43. (Currently Amended)   The ~~medium~~<u>method</u> of claim 42 <u>further comprising:</u>~~, wherein~~ ~~said~~

~~propagating step determines~~<u>determining</u> said at least one destination block in ~~which~~ ~~to propagate said first characteristic~~is ~~the~~<u>a</u> same block type as ~~said~~at least one source block <u>in said plurality of source blocks</u>.

44. (Currently Amended)   The ~~medium~~ method of claim 42, wherein ~~said propagating step determines~~ said at least one destination block is designated ~~in which to propagate said first characteristic~~ based on a second characteristic ~~of said at least one source block~~ in said intersection of characteristics, said second characteristic matching a second characteristic of said at least one destination block ~~in which to propagate said first characteristic~~.

45. (Currently Amended)   The ~~medium~~ method of claim 44, wherein said second characteristic ~~designates~~ indicates said at least destination block ~~as~~ is representative of a virtual subsystem.

46. (Original) The ~~medium~~ method of claim 42, wherein said at least one destination block is a subsystem representing a plurality of blocks and said at least one characteristic is propagated to each of said plurality of blocks in said subsystem.

47. (Currently Amended)   ~~In a block diagram environment, a~~ A medium holding ~~electronic device~~ computer-executable ~~steps for a method, said method comprising the steps of~~ instructions, the medium comprising:

    instructions for determining an intersection of characteristics common to a ~~designating a~~ first source block and a second source block in a block diagram;

        ~~designating a second source block;~~

    instructions for selecting at least one characteristic ~~of~~ in said ~~first source block and said second source block~~ intersection of characteristics, said first source block having said characteristic of a first value, said second source block having said characteristic of a second value;

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instructions for receiving a designation of ~~designating~~ a first destination block and a second destination block in said block diagram; and

instructions for propagating said selected at least one characteristic to said first destination block and said second destination block, said first value propagated to said first destination block and said second value propagated to said second destination block.

48. (Currently Amended)   The medium of claim 47, wherein said propagating ~~step~~ determines said first destination block and said second destination block by the use of respective contexts relative to said first source block and said second source block.

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